

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 1 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 3,848,193 | 11-12-1974 | Martin et al. | |
| | | 3,893,049 | 07-01-1975 | Bray | |
| | | 4,162,513 | 07-24-1979 | Beyers et al. | |
| | | 4,224,644 | 09-23-1980 | Lewis et al. | |
| | | 4,288,809 | 09-08-1981 | Yabe | |
| | | 4,325,081 | 04-13-1982 | Abe et al. | |
| | | 4,338,644 | 07-06-1982 | Staar | |
| | | 4,339,798 | 07-13-1982 | Hedges et al. | |
| | | 4,437,498 | 08-31-1982 | Lee et al. | |
| | | 4,355,415 | 10-19-1982 | George et al. | |
| | | 4,422,105 | 12-20-1983 | Rodesch et al. | |
| | | 4,425,579 | 01-10-1984 | Merrell | |
| | | 4,429,385 | 01-31-1984 | Cichelli et al. | |
| | | 4,488,179 | 12-11-1984 | Krüger et al. | |
| | | 4,495,654 | 01-22-1985 | Deiss | |
| | | 4,496,171 | 01-29-1985 | Cherry | |
| | | 4,602,279 | 07-22-1986 | Freeman | |
| | | 4,620,229 | 10-28-1986 | Amano et al. | |
| | | 4,641,205 | 02-03-1987 | Beyers Jr. | |
| | | 4,691,351 | 09-01-1987 | Hayashi et al. | |
| | | 4,694,490 | 09-15-1987 | Harvey et al. | |
| | | 4,701,794 | 10-20-1987 | Froling et al. | |
| | | 4,704,725 | 11-03-1987 | Harvey et al. | |
| | | 4,718,107 | 01-05-1988 | Hayes | |
| | | 4,739,406 | 04-19-1988 | Morton et al. | |
| | | 4,745,549 | 05-17-1988 | Hashimoto | |
| | | 4,751,578 | 06-14-1988 | Reiter et al. | |
| | | 4,787,063 | 11-22-1988 | Muguet | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 2 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 4,789,962 | 12-06-1988 | Berry et al. | |
| | | 4,807,052 | 02-21-1989 | Amano | |
| | | 4,812,940 | 03-14-1989 | Takenaga | |
| | | 4,847,696 | 07-11-1989 | Matsumoto et al. | |
| | | 4,847,698 | 07-11-1989 | Freeman | |
| | | 4,847,700 | 07-11-1989 | Freeman | |
| | | 4,855,833 | 08-08-1989 | Kageyama et al. | |
| | | 4,857,999 | 08-15-1989 | Welsh | |
| | | 4,873,584 | 10-10-1989 | Hashimoto | |
| | | 4,879,611 | 11-07-1989 | Fukiu et al. | |
| | | 4,885,775 | 12-05-1989 | Lucas | |
| | | 4,894,789 | 01-16-1990 | Yee | |
| | | 4,908,713 | 03-13-1990 | Levine | |
| | | 4,930,158 | 05-29-1990 | Vogel | |
| | | 4,959,720 | 09-25-1990 | Duffield et al. | |
| | | 4,963,994 | 10-16-1990 | Levine | |
| | | 4,965,825 | 10-23-1990 | Harvey et al | |
| | | 4,989,104 | 01-29-1991 | Schulein et al. | |
| | | 5,027,400 | 06-25-1991 | Baji et al. | |
| | | 5,109,279 | 04-28-1992 | Ando | |
| | | 5,109,414 | 04-28-1992 | Harvey et al. | |
| | | 5,134,719 | 07-28-1992 | Mankovitz | |
| | | 5,155,591 | 10-13-1992 | Wachob | |
| | | 5,172,111 | 12-15-1992 | John W. Olivo | |
| | | 5,172,413 | 12-15-1992 | Bradley et al. | |
| | | 5,200,822 | 04-06-1993 | Bronfin et al. | |
| | | 5,231,493 | 07-27-1993 | Apitz | |
| | | 5,233,654 | 08-03-1993 | Harvey et al. | |

| | | | |
|-----------------------|-------------------------------|--------------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|-----------------------|-------------------------------|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 3 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,249,043 | 09-28-1993 | Grandmougin | |
| | | 5,293,357 | 03-08-1994 | Hallenbeck | |
| | | 5,299,006 | 03-29-1994 | Kim | |
| | | 5,404,567 | 04-04-1994 | DePietro et al. | |
| | | 5,335,277 | 08-02-1994 | Harvey et al. | |
| | | 5,339,434 | 08-16-1994 | Rusis | |
| | | 5,341,350 | 08-23-1994 | Frank et al. | |
| | | 3,357,276 | 10-18-1994 | Banker et al. | |
| | | 5,371,551 | 12-06-1994 | Logan et al. | |
| | | 5,412,720 | 05-02-1995 | Hoarty | |
| | | 5,426,699 | 06-20-1995 | Wunderlich et al. | |
| | | 5,442,389 | 08-15-1995 | Blahut et al. | |
| | | 5,459,522 | 10-17-1995 | Pint | |
| | | 5,461,415 | 10-24-1995 | Wolf et al. | |
| | | 5,465,385 | 11-07-1995 | Ohga et al. | |
| | | 5,483,278 | 01-09-1996 | Strubbe et al. | |
| | | 5,485,197 | 01-16-1996 | Hoarty | |
| | | 5,502,504 | 03-26-1996 | Marshall et al. | |
| | | 5,508,815 | 04-16-1996 | Levine | |
| | | 5,517,257 | 05-14-1996 | Dunn et al. | |
| | | 5,523,794 | 06-04-1996 | Mankovitz et al. | |
| | | 5,523,796 | 06-04-1996 | Marshall et al. | |
| | | 5,524,195 | 06-04-1996 | Clanton, III et al. | |
| | | 5,524,271 | 06-04-1996 | Hollmann et al. | |
| | | 5,528,304 | 06-18-1996 | Cherrick et al. | |
| | | 5,537,141 | 07-16-1996 | Harper et al. | |
| | | 5,539,449 | 07-23-1996 | Blahut et al. | |
| | | 5,539,880 | 07-23-1996 | Lakhani | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 4 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,541,638 | 07-30-1996 | Story | |
| | | 5,541,738 | 07-30-1996 | Mankovitz | |
| | | 5,548,338 | 08-20-1996 | Ellis et al. | |
| | | 5,550,825 | 08-27-1996 | McMullan Jr. et al. | |
| | | 5,557,338 | 09-17-1996 | Maze et al. | |
| | | 5,559,548 | 09-24-1996 | Hendricks et al. | |
| | | 5,559,549 | 09-24-1996 | Hendricks et al. | |
| | | 5,574,778 | 11-12-1996 | Ely et al. | |
| | | 5,583,561 | 12-10-1996 | Baker et al. | |
| | | 5,583,563 | 12-10-1996 | Wanderscheid et al. | |
| | | 5,583,653 | 12-10-1996 | Timmermans | |
| | | 5,594,509 | 01-14-1997 | Florin | |
| | | 5,594,779 | 01-14-1997 | Goodman | |
| | | 5,602,582 | 02-11-1997 | Wanderscheid et al. | |
| | | 5,606,642 | 02-25-1997 | Stautner et al. | |
| | | 5,616,876 | 04-01-1997 | Cluts | |
| | | 5,619,247 | 04-08-1997 | James Russo | |
| | | 5,619,249 | 04-08-1997 | Billock et al. | |
| | | 5,623,613 | 04-22-1997 | Rowe et al. | |
| | | 5,625,678 | 04-29-1997 | Blomfield-Brown | |
| | | 5,629,867 | 05-13-1997 | Goldman | |
| | | 5,630,119 | 05-13-1997 | Aristides et al. | |
| | | 5,635,978 | 06-03-1997 | Alten | |
| | | 5,635,987 | 06-03-1997 | Park et al. | |
| | | 5,648,824 | 07-15-1997 | Dunn et al. | |
| | | 5,652,613 | 07-29-1997 | Lazarus et al. | |
| | | 5,654,748 | 08-05-1997 | Matthews III | |
| | | 5,654,886 | 08-05-1997 | Zereski Jr et al. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 5 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,657,072 | 08-12-1997 | Aristides et al. | |
| | | 5,666,645 | 09-09-1997 | Thomas et al. | |
| | | 5,675,743 | 10-07-1997 | Mavity | |
| | | 5,694,163 | 12-02-1997 | Harrison | |
| | | 5,696,765 | 12-09-1997 | Safadi | |
| | | 5,708,961 | 01-13-1998 | Hylton et al. | |
| | | 5,710,601 | 01-20-1998 | Marshall et al. | |
| | | 5,717,452 | 02-10-1998 | Janin et al. | |
| | | 5,721,829 | 02-24-1998 | Dunn et al. | |
| | | 5,732,216 | 03-24-1998 | Logon et al. | |
| | | 5,734,719 | 03-31-1998 | Tsevdos et al. | |
| | | 5,734,119 | 03-31-1998 | France et al. | |
| | | 5,742,443 | 04-21-1998 | Tsao et al. | |
| | | 5,745,710 | 04-28-1998 | Clanton III et al. | |
| | | 5,751,282 | 05-12-1998 | Girard et al. | |
| | | 5,752,159 | 05-12-1998 | Faust et al. | |
| | | 5,752,160 | 05-12-1998 | Dunn | |
| | | 5,754,771 | 05-19-1998 | Epperson et al. | |
| | | 5,758,258 | 05-26-1998 | Shoff et al. | |
| | | 5,758,259 | 05-26-1998 | Lawler | |
| | | 5,771,435 | 06-23-1998 | Brown, Ralph W. | |
| | | 5,760,821 | 06-02-1998 | Ellis et al. | |
| | | 5,768,528 | 06-16-1998 | Stumm | |
| | | 5,774,170 | 06-30-1998 | Hite et al. | |
| | | 5,778,182 | 07-07-1998 | Cathey et al. | |
| | | 5,778,187 | 07-07-1998 | Monteiro et al | |
| | | 5,781,226 | 07-14-1998 | Sheehan | |
| | | 5,781,227 | 07-14-1998 | Goode et al. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 6 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,790,202 | 08-04-1998 | Kummer et al. | |
| | | 5,790,423 | 08-04-1998 | Lau et al. | |
| | | 5,793,412 | 08-11-1998 | Asamizuya | |
| | | 5,793,971 | 08-11-1998 | Fujita et al. | |
| | | 5,794,217 | 08-11-1998 | Allen | |
| | | 5,796,952 | 08-18-1998 | Davis et al. | |
| | | 5,802,284 | 09-01-1998 | Karlton et al. | |
| | | 5,805,154 | 09-08-1998 | Brown | |
| | | 5,805,804 | 09-08-1998 | Laursen et al. | |
| | | 5,805,806 | 09-08-1998 | McArthur | |
| | | 5,808,694 | 09-15-1998 | Usui et al. | |
| | | 5,809,246 | 09-15-1998 | Goldman | |
| | | 5,812,123 | 09-22-1998 | Rowe et al. | |
| | | 5,815,146 | 09-29-1998 | Youden et al. | |
| | | 5,818,438 | 10-06-1998 | Howe et al. | |
| | | 5,819,019 | 10-06-1998 | Nelson | |
| | | 5,819,156 | 10-06-1998 | Belmont | |
| | | 5,819,160 | 10-06-1998 | Foladare et al. | |
| | | 5,822,530 | 10-13-1998 | Brown | |
| | | RE 35,954 | 11-10-1998 | Levine | |
| | | 5,838,314 | 11-17-1998 | Neel et al. | |
| | | 5,841,979 | 11-24-1998 | Schulhof et al. | |
| | | 5,844,620 | 12-01-1998 | Coleman et al. | |
| | | 5,859,641 | 01-12-1999 | Cave. | |
| | | 5,861,906 | 01-19-1999 | Dunn et al. | |
| | | 5,867,483 | 02-02-1999 | Ennis et al. | |
| | | 5,881,245 | 03-09-1999 | Thompson | |
| | | 5,884,028 | 03-16-1999 | Kindell et al. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 7 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,886,707 | 03-23-1999 | Berg | |
| | | 5,886,732 | 03-23-1999 | Humpleman | |
| | | 5,887,243 | 03-23-1999 | Harvey et al. | |
| | | 5,892,915 | 04-06-1999 | Duso et al. | |
| | | 5,894,589 | 04-13-1999 | Reber et al. | |
| | | 5,896,414 | 04-20-1999 | Meyer et al. | |
| | | 5,898,441 | 04-27-1999 | Flurry | |
| | | 5,898,456 | 04-27-1999 | Wahl | |
| | | 5,899,582 | 05-04-1999 | DuLac | |
| | | 5,900,904 | 05-04-1999 | Okada et al. | |
| | | 5,903,234 | 05-11-1999 | Kimura | |
| | | 5,903,263 | 05-11-1999 | Emura | |
| | | 5,903,264 | 05-11-1999 | Moeller et al. | |
| | | 5,905,522 | 05-18-1999 | Lawler | |
| | | 5,905,847 | 05-18-1999 | Kobayashi et al. | |
| | | 5,909,638 | 06-01-1999 | Allen | |
| | | 5,911,046 | 06-08-1999 | Amano | |
| | | 5,913,039 | 06-15-1999 | Nakamura et al. | |
| | | 5,914,941 | 06-22-1999 | Janky | |
| | | 5,915,090 | 06-22-1999 | Joseph et al. | |
| | | 5,915,094 | 06-22-1999 | Kouloheris et al. | |
| | | 5,916,303 | 06-29-1999 | Scott | |
| | | 5,917,538 | 06-29-1999 | Asamizuya | |
| | | 5,917,835 | 06-29-1999 | Barrett et al. | |
| | | 5,920,702 | 07-06-1999 | Bleidt et al. | |
| | | 5,920,800 | 07-06-1999 | Schäfer | |
| | | 5,922,045 | 07-13-1999 | Hanson | |
| | | 5,922,048 | 07-13-1999 | Emura | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 8 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,923,361 | 07-13-1999 | Sutton, Jr. | |
| | | 5,926,204 | 07-20-1999 | Mayer | |
| | | 5,926,205 | 07-20-1999 | Krause et al. | |
| | | 5,926,624 | 07-20-1999 | Katz et al. | |
| | | 5,928,327 | 07-27-1999 | Wang et al. | |
| | | 5,929,850 | 07-27-1999 | Broadwin et al. | |
| | | 5,930,473 | 07-27-1999 | Teng et al. | |
| | | 5,930,493 | 07-27-1999 | Ottesen et al. | |
| | | 5,931,901 | 08-03-1999 | Wolfe et al. | |
| | | 5,933,603 | 08-03-1999 | Vahalia et al. | |
| | | 5,933,835 | 08-03-1999 | Adams et al. | |
| | | 5,935,206 | 08-10-1999 | Dixon et al. | |
| | | 5,936,569 | 08-10-1999 | Stähle et al. | |
| | | 5,940,071 | 08-17-1999 | Treffers et al. | |
| | | 5,940,073 | 08-17-1999 | Klosterman et al. | |
| | | 5,943,046 | 08-24-1999 | Cave et al. | |
| | | 5,943,047 | 08-24-1999 | Suzuki | |
| | | 5,945,987 | 08-31-1999 | Dunn | |
| | | 5,947,746 | 09-07-1999 | Tsai | |
| | | 5,949,411 | 09-07-1999 | Doerr et al. | |
| | | 5,956,482 | 09-21-1999 | Agraharam et al. | |
| | | 5,959,592 | 09-28-1999 | Petruzzelli | |
| | | 5,959,659 | 09-28-1999 | Dokic | |
| | | 5,963,202 | 10-05-1999 | Polish | |
| | | 5,963,264 | 10-05-1999 | Jackson | |
| | | 5,964,455 | 10-12-1999 | Catanzarite et al. | |
| | | 5,969,714 | 10-19-1999 | Butcher | |
| | | 5,973,680 | 10-26-1999 | Ueda | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|---|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 9 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 5,973,722 | 10-26-1999 | Wakai et al. | |
| | | 5,974,217 | 10-26-1999 | Haraguchi | |
| | | 5,977,963 | 11-02-1999 | Gaughan et al. | |
| | | 5,977,964 | 11-02-1999 | Williams et al. | |
| | | 5,978,567 | 11-02-1999 | Rebane et al. | |
| | | 5,978,843 | 11-02-1999 | Wu et al. | |
| | | 5,986,650 | 11-16-1999 | Ellis et al. | |
| | | 5,987,213 | 11-16-1999 | Mankovitz et al. | |
| | | 5,990,881 | 11-23-1999 | Inoue et al. | |
| | | 5,995,155 | 11-30-1999 | Schindler et al. | |
| | | 5,583,560 | 12-10-1996 | Florin et al. | |
| | | 5,999,970 | 12-07-1999 | Krisbergh et al. | |
| | | 6,002,394 | 12-14-1999 | Schein at al. | |
| | | 6,002,720 | 12-14-1999 | Yurt et al. | |
| | | 6,005,564 | 12-21-1999 | Ahmad et al. | |
| | | 6,005,600 | 12-21-1999 | Hill | |
| | | 6,009,465 | 12-28-1999 | Decker et al. | |
| | | 6,012,089 | 01-04-2000 | Hasegawa | |
| | | 6,012,091 | 01-04-2000 | Boyce | |
| | | 6,014,184 | 01-11-2000 | Knee et al. | |
| | | 6,014,381 | 01-11-2000 | Troxel et al. | |
| | | 6,014,693 | 01-11-2000 | Ito et al. | |
| | | 6,014,694 | 01-11-2000 | Aharoni et al | |
| | | 6,014,706 | 01-11-2000 | Cannon et al. | |
| | | 6,018,359 | 01-25-2000 | Kermode et al. | |
| | | 6,018,765 | 01-25-2000 | Durana et al. | |
| | | 6,020,912 | 02-01-2000 | De Lang | |
| | | 6,022,223 | 02-08-2000 | Taniguchi et al. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 10 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 6,023,725 | 02-08-2000 | Ozawa et al. | |
| | | 6,025,868 | 02-15-2000 | Russo | |
| | | 6,028,600 | 02-22-2000 | Rosin et al. | |
| | | 6,029,064 | 02-22-2000 | Farris et al. | |
| | | 6,038,367 | 03-14-2000 | Abecassis | |
| | | 6,038,591 | 03-14-2000 | Wolfe et al. | |
| | | 6,052,145 | 04-18-2000 | Macrae et al. | |
| | | 6,057,890 | 05-02-2000 | Virden et al. | |
| | | 6,058,242 | 05-02-2000 | Kim | |
| | | RE 36,801 | 08-01-2000 | Logan et al. | |
| | | 6,133,910 | 10-17-2000 | Stinebruner | |
| | | 6,157,377 | 12-05-2000 | Shah Nazaroff et al. | |
| | | 6,160,546 | 12-12-2000 | Thompson et al. | |
| | | 6,163,316 | 12-19-2000 | Killian | |
| | | 6,185,736 | 02-06-2001 | Ueno, Hideyuki | |
| | | 6,208,335 | 03-27-2001 | Gordon et al. | |
| | | 6,240,460 | 05-29-2001 | Mitsutake et al. | |
| | | 2001/0024470 | 09-29-2001 | Radha et al. | |
| | | 2001/0037508 | 11-01-2001 | Hindus et al. | |
| | | 6,314,575 | 11-06-2001 | Billock et al. | |
| | | 6,323,911 | 11-27-2001 | Schein | |
| | | 6,324,338 | 11-27-2001 | Wood et al. | |
| | | 6,348,932 | 02-19-2002 | Nishikawa | |
| | | 2002/0057893 | 05-16-2002 | Wood et al. | |
| | | 6,388,714 | 05-14-2002 | Schein | |
| | | 2002/0059599 | 05-16-2002 | Schein et al. | |
| | | 6,438,596 | 08-20-2002 | Ueno et al. | |
| | | 6,430,358 | 08-06-2002 | Yuen et al. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 11 | of | 20 | Attorney Docket Number | UV-189 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | 2002/0191954 | 12-19-2002 | Beach et al. | |
| | | 6,505,348 | 01-07-2003 | Knowles et al. | |
| | | 2003/0061619 | 03-27-2003 | Giammaressi, Tom | |
| | | 6,553,376 | 04-22-2003 | Lewis et al. | |
| | | 6,611,958 | 08-26-2003 | Shintani et al. | |
| | | 6,611,958 | 08-26-2003 | Shintani et al. | |
| | | 2003/0210898 | 11-13-2003 | Juen et al. | |
| | | 6,744,967 | 06-01-2004 | Kaminski et al. | |
| | | 6,757,907 | 06-29-2004 | Schumacher et al. | |
| | | 2004/0181814 | 09-16-2004 | Ellis et al. | |
| | | 6,857,132 | 02-15-2005 | Rakib et al. | |
| | | 2005/0044577 | 02-24-2005 | Jerding et al. | |
| | | 2005/0071882 | 03-31-2005 | Rodriguez et al. | |
| | | 2005/0097619 | 05-05-2005 | Haddad, Joseph C. | |
| | | 2005/0198671 | 09-08-2005 | Hanai et al. | |
| | | 2005/0198677 | 09-08-2005 | Lewis | |
| | | 2005/0204388 | 09-15-2005 | Knudson et al. | |
| | | 2005/0240968 | 10-27-2005 | Knudson et al. | |
| | | 2005/0273819 | 12-08-2005 | Knudson et al. | |
| | | 7,088,910 | 08-08-2006 | Potrebic et al. | |
| | | 7,096,486 | 08-22-2006 | Ukai et al. | |
| | | 7,151,886 | 12-19-2006 | Young et al. | |
| | | 7,185,355 | 02-27-2007 | Ellis et al. | |

| | | | |
|-----------------------|-------------------------------|--------------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|-----------------------|-------------------------------|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 12 | of | 20 | Attorney Docket Number | UV-189 |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-------------------------------|---|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known) | | | | |
| | | GB 1 370 535 | 10-16-1974 | British Broadcasting Corp. | | |
| | | DE 2918846 | 11-13-1980 | Grundig EMV | | |
| | | EP 0 051 228 | 05-12-1982 | Kabushiki Kaisha Toshiba | | |
| | | DE 3337204 | 04-25-1985 | Telefunken Fernseh & Rundfunk | | |
| | | GB 2155713 | 09-25-1985 | RCA Corp. | | |
| | | JP 61-109379 | 05-27-1986 | Hitachi Ltd. | | x |
| | | JP 61-227486 | 10-09-1986 | Nippon Electric Corporation | | x |
| | | JP 62-008389 | 01-16-1987 | Matsushita Electric Ind. Co. Ltd. | | x |
| | | DE 3527939 | 02-12-1987 | Westdeutscher Rundfunk | | x |
| | | WO 87/00884 | 02-12-1987 | HIB Promotion AB | | |
| | | JP 62-49528 | 03-04-1987 | Toshiba Corp. | | x |
| | | JP 62-60384 | 03-17-1987 | Casio Computer Co Ltd. | | x |
| | | JP 62-066493 | 03-25-1987 | Sanyo Electric Co. | | x |
| | | JP 62-125077 | 06-06-1987 | Mitsubishi Heavy Ind. Ltd. | | x |
| | | JP 62-198768 | 09-02-1987 | Toshiba Corp. | | x |
| | | DE 3623924 | 02-11-1988 | Grundig EMV | | x |
| | | JP 63-54884 | 03-09-1988 | Mitsubishi Electric Corp. | | x |
| | | JP 63-141467 | 06-13-1988 | Matsushita Graphic Communic | | x |
| Examiner Signature | /Justin Shepard/ (05/27/2009) | | | Date Considered | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 13 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | | |
|--|--|----------------|------------|--|--|---|
| | | WO 88/04507 | 06-16-1988 | British Broadcasting Corporation | | |
| | | JP 63-247812 | 10-14-1988 | NEC Corp. | | x |
| | | JP 63-276069 | 11-14-1988 | Fuji Xerox Co. Ltd. | | x |
| | | JP 63-299582 | 12-07-1988 | Fujitsu General Ltd. | | x |
| | | JP 1-078328 | 03-23-1989 | Fujitsu Ltd. | | x |
| | | WO 89/03085 | 04-06-1989 | FOX | | |
| | | JP 1-142918 | 06-05-1989 | Matsushita Electric Ind. Co. | | x |
| | | GB 2210526 | 06-07-1989 | Gold Star Co. Ltd. | | |
| | | JP 1-150928 | 06-13-1989 | Nippon Electric Co. | | x |
| | | JP 1-209399 | 08-23-1989 | Hitachi Ltd. | | x |
| | | JP 1-212986 | 08-25-1989 | Fujitsu General Ltd. | | x |
| | | EP 0337336 | 10-18-1989 | RCA Thomson Licensing Corporation | | |
| | | GB 2217144 | 10-18-1989 | Tokyo Shibaura Electric Co. | | |
| | | JP 2-838892 | 12-12-1989 | Patorama Res KK | | x |
| | | JP 1-307944 | 12-12-1989 | Patorama Res KK | | x |
| | | WO 89/12370 | 12-14-1989 | Monslow, H. | | |
| | | WO 90/00847 | 01-25-1990 | Insight Telecast, Inc. | | |
| | | JP 2-113318 | 04-25-1990 | Hitachi Ltd. | | x |
| | | JP 2-189753 | 07-25-1990 | Sanyo Electric Co. Ltd | | x |
| | | GB 2 227 622 A | 08-01-1990 | Samsung Electronics Co Limited | | |
| | | EP 393955 | 10-24-1990 | Sony Corporation | | |
| | | WO 91/00670 | 01-10-1991 | Matsushita Electric Industrial Co., Ltd. | | |
| | | DE 3921847 | 01-17-1991 | Grundig EMV | | |
| | | EP 0 424 469 | 05-02-1991 | Starsight Telecast, Inc | | |
| | | EP 0 444 496 | 09-04-1991 | Hitachi Ltd. | | |
| | | EP 0 447 968 | 09-25-1991 | RCA Licensing Corporation | | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 14 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | |
|--|---------------------|------------|---|--|---|
| | WO 92/04801 | 03-19-1992 | Insight Telecast, Inc. | | |
| | EP 0 488 379 | 06-03-1992 | Matsushita Electric Industrial Co. Ltd. | | |
| | GB 2 256 115 | 11-25-1992 | Cabletime Limited | | |
| | EP 0 535 749 | 04-07-1993 | D2B Systems Co. Ltd. | | |
| | WO 93/08542 | 04-29-1993 | Yuen | | |
| | WO 93/22877 | 11-11-1993 | ICTV Inc. | | |
| | EP 0 572 090 | 12-01-1993 | Philips Electronics N.V. | | |
| | JP 60-61935 | 03-04-1994 | Nippon Electric Co. | | x |
| | DE 4240187 | 06-01-1994 | Siemens AG | | |
| | ROC Pub. No. 247388 | 10-15-1994 | Not Available | | |
| | EP 0 624 039 | 11-09-1994 | AT & T Corp. | | |
| | WO 95/01058 | 01-05-1995 | Apple Computer, Inc. | | |
| | WO 95/15658 | 06-08-1995 | Discovery Communications, Inc. | | |
| | EP 0 662 771 | 07-12-1995 | Thomson Consumer Electronics, Inc. | | |
| | WO 95/31069 | 11-16-1995 | Starsight Telecast, Inc. | | |
| | WO 95/32583 | 11-30-1995 | TV Guide On Screen | | |
| | WO 95/32584 | 11-30-1995 | Gemstar Development Corporation | | |
| | WO 95/32585 | 11-30-1995 | TV Guide On-Screen | | |
| | WO 95/32587 | 11-30-1995 | Prevue International, Inc. | | |
| | WO 96/09721 | 03-28-1996 | TV Guide On Screen | | |
| | EP 0 711 076 | 05-08-1996 | AT & T Corp. | | |
| | JP8-130517A | 05-21-1996 | Hiroshi et al | | x |
| | WO 96/17467 | 06-06-1996 | Herz et al. | | |
| | EP 0 725 539 | 08-07-1996 | Sony Corporation | | |
| | WO 96/25821 | 08-22-1996 | Index Systems, Inc. | | |
| | WO 96/33572 | 10-24-1996 | Starsight Telecast Incorporated | | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 15 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | |
|--|--------------|------------|---|--|--|
| | WO 96/34467 | 10-31-1996 | Wink Communications, Inc. | | |
| | WO 96/41472 | 12-19-1996 | Starsight Telecast Incorporated | | |
| | WO 96/41478 | 12-19-1996 | TV Guide On Screen | | |
| | EP 0 758 833 | 02-19-1997 | General Instrument Corporation of Delaware | | |
| | WO 97/07050 | 02-27-1997 | Darling International Inc. | | |
| | EP 0 763 938 | 03-19-1997 | Starsight Telecast, Inc. | | |
| | WO 97/21291 | 06-12-1997 | Pocock | | |
| | WO 97/32434 | 09-04-1997 | E Guide, Inc. | | |
| | WO 97/34413 | 09-18-1997 | E Guide, Inc. | | |
| | WO 97/34414 | 09-18-1997 | E Guide, Inc. | | |
| | WO 97/37500 | 10-09-1997 | British Telecommunications Public Limited Company | | |
| | WO 97/42763 | 11-13-1997 | Starsight Telecast, Inc. | | |
| | WO 97/46016 | 12-04-1997 | Starsight Telecast Incorporated | | |
| | WO 97/46943 | 12-11-1997 | WebTV Networks, Inc. | | |
| | WO 97/47124 | 12-11-1997 | WebTV Networks, Inc. | | |
| | WO 97/48228 | 12-18-1997 | Starsight Telecast, Inc. | | |
| | WO 97/48230 | 12-18-1997 | Starsight Telecast, Inc. | | |
| | WO 97/49237 | 12-24-1997 | Starsight Telecast, Inc. | | |
| | WO 98/01995 | 01-15-1998 | Starsight Telecast, Inc. | | |
| | WO 98/06219 | 02-12-1998 | StarSight Telecast, Inc. | | |
| | WO 98/07277 | 02-19-1998 | Starsight Telecast, Inc. | | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 16 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | | |
|--|--|---------------|------------|--|--|---|
| | | WO 98/10589 | 03-12-1998 | Starsight Telecast, Inc. | | |
| | | WO 98/12872 | 03-26-1998 | Starsight Telecast, Incorporated | | |
| | | EP 0 836 320 | 04-15-1998 | Matsushita Electric Industrial Co., Ltd. | | |
| | | WO 98/17033 | 04-23-1998 | Thomson Consumer Electronics, Inc. | | |
| | | WO 98/17064 | 04-23-1998 | Gemstar Development Corporation | | |
| | | WO 98/18260 | 04-30-1998 | Diva Systems Corporation | | |
| | | WO 98/19459 | 05-07-1998 | Diva Systems Corporation | | |
| | | WO 98/26528 | 06-18-1998 | Scientific-Atlanta, Inc. | | |
| | | WO 98/26584 | 06-18-1998 | Prevue International, Inc. | | |
| | | WO 98/26596 | 06-18-1998 | Starsight Telecast, Inc. | | |
| | | WO 98/31115 | 07-16-1998 | Diva Systems Corporation | | |
| | | WO 98/31116 | 07-16-1998 | Diva Systems Corporation | | |
| | | WO 98/34405 | 08-06-1998 | VXtreme, Inc. | | |
| | | WO 98/38831 | 09-03-1998 | Starsight Telecast, Inc. | | |
| | | JP 10-247344 | 09-14-1998 | Reem Properties EV | | x |
| | | JP 10-257400A | 09-25-1998 | Toshiaki | | x |
| | | WO 98/47279 | 10-22-1998 | Starsight Telecast, Incorporated | | |
| | | EP 0 874 524 | 10-28-1998 | Starsight Telecast, Inc. | | |
| | | WO 98/48566 | 10-29-1998 | Gemstar Devp. Corp. | | |
| | | WO 99/03267 | 01-21-1999 | Thomson Consumer Electronics, Inc. | | |
| | | WO 99/04561 | 01-28-1999 | E-Guide, Inc. | | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 17 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | | |
|--|--|---------------|------------|--|--|---|
| | | WO 99/11060 | 03-04-1999 | News America Publications, Inc. | | |
| | | WO 99/12320 | 03-11-1999 | Deutsche Telekom AG | | |
| | | WO 99/27681 | 06-03-1999 | Motorola Inc. | | |
| | | WO 99/28897 | 06-10-1999 | Voquette Networks, Ltd. | | |
| | | EP 0 924 927 | 06-23-1999 | Mastsushita Electric Industrial Co. Ltd. | | |
| | | WO 99/39466 | 08-05-1999 | Kwoh et al. | | |
| | | EP 0 940 983 | 09-08-1999 | Mastsushita Electric Industrial Co. Ltd. | | |
| | | WO 99/45700 | 09-10-1999 | Prevue International Inc. | | |
| | | EP 0 944 253 | 09-22-1999 | Sony Corporation | | |
| | | WO 99/52279 | 10-14-1999 | TIVO, Inc. | | |
| | | WO 99/56473 | 11-04-1999 | United Video Properties, Inc. | | |
| | | WO 99/60790 | 11-25-1999 | United Video Properties, Inc. | | |
| | | WO 99/65244 | 12-16-1999 | United Video Properties, Inc. | | |
| | | WO 99/66725 | 12-23-1999 | United Video Properties, Inc. | | |
| | | JP 2000-13708 | 01-14-2000 | Ukai et al. | | x |
| | | WO 00/04706 | 01-27-2000 | United Video Properties, Inc. | | |
| | | WO 00/05885 | 02-03-2000 | United Video Properties, Inc. | | |
| | | WO 00/07368 | 02-10-2000 | TIVO, Inc. | | |
| | | WO 00/08850 | 02-17-2000 | Wood et al. | | |
| | | WO 00/08851 | 02-17-2000 | Wood et al. | | |
| | | WO 00/08852 | 02-17-2000 | Wood et al. | | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 18 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | |
|--|----------------------|------------|-------------------------------|--|---|
| | WO 00/11869 | 03-02-2000 | United Video Properties, Inc. | | |
| | EP 0 986 046 | 03-15-2000 | Lucent Technologies, Inc. | | |
| | WO 00/16548 | 03-23-2000 | United Video Properties, Inc. | | |
| | JP 2000-138886A | 05-16-2000 | Hane | | x |
| | WO 00/28739 | 05-18-2000 | Open TV, Inc., | | |
| | WO 00/33560 | 06-08-2000 | United Video Properties, Inc. | | |
| | GB 2 346 251 | 08-02-2000 | IBM | | |
| | JP 2000-224533A (01) | 08-11-2000 | Berstis | | x |
| | JP 2000-235546A (03) | 08-29-2000 | Toshiya et al. | | x |
| | WO 00/58833 | 10-05-2000 | TIVO, Inc. | | x |
| | WO 00/58967 | 10-05-2000 | TIVO, Inc. | | |
| | WO 00/59214 | 10-05-2000 | TIVO, Inc. | | |
| | WO 00/59223 | 10-05-2000 | TIVO, Inc. | | |
| | WO 00/62298 | 10-19-2000 | TIVO, Inc. | | |
| | WO 00/62299 | 10-19-2000 | TIVO, Inc. | | |
| | WO 00/62533 | 10-19-2000 | TIVO, Inc. | | |
| | JP 2000-306314A (02) | 11-02-2000 | Mitsuhiro | | x |
| | WO 00/67475 | 11-09-2000 | TIVO, Inc. | | |
| | WO 01/01677 | 01-04-2001 | United Video Properties, Inc. | | |
| | WO 01/01689 | 01-04-2001 | United Video Properties, Inc. | | |
| | WO 01/22729 | 03-29-2001 | TIVO, Inc. | | |
| | JP2001-88372A | 04-03-2001 | Hirofumi | | x |
| | WO 01/35662 | 05-17-2001 | United Video Properties, Inc. | | |
| | JP2001-165669A | 06-22-2001 | Pioneer Incorporated Co. | | x |
| | JP2001-167522A | 06-22-2001 | Takagi | | x |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 19 | of | 20 | Attorney Docket Number | UV-189 |

| | | | | | |
|--|-----------------|------------|------------------------------------|--|---|
| | WO 01/46843 A2 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/47238 A2 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/47249 A2 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/47257 A1 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/47273 A1 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/47279 A2 | 06-28-2001 | TIVO, Inc. | | |
| | WO 01/50743 A1 | 07-12-2001 | United Video Properties, Inc. | | |
| | JP2001-257950A | 09-21-2001 | Matsushita Electric Industrial Co. | | x |
| | WO 01/76248 A2 | 10-11-2001 | United Video Properties, Inc. | | |
| | WO 02/078317 A2 | 10-03-2002 | United Video Properties, Inc. | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | "Start Here," Sony, TiVo and DIRECTV (undated). | |
| | | "DIRECTV Receiver with TiVo Viewer's Guide" (1999, 2000). | |
| | | "DIRECTV Receiver with TiVo Installation Guide," Philips (2000). | |
| | | "PTV Recorder Setup Guide," Philips (2000). | |
| | | "DishPro Satellite System - User's Guide," Dish Network (undated). | |
| | | "DIRECTV Receiver with TiVo Digital Satellite Receiver/Recorder SAT-T60 -Installation Guide Corporation (2000). | |
| | | "DIRECTV Digital Satellite Receiver - Operating Instructions," Sony Electronics Inc. (2001). | |
| | | "Fall 2001 TiVo Service Update with Dual Tuner!," TiVo Inc. (2001). | |
| | | "RCA Satellite Receiver User's Guide," Thomson multimedia Inc. (2001). | |
| | | "DIRECTV Receiver - Owner's Manual," DIRECTV, Inc. (2002). | |
| | | "Advanced Analog Systems - Addressable Terminals," General Instrument Corp. of Horsham, Pennsylvania, (http://www.gi.com/BUSAREA/ANALOG/TERMINAL/WATCH/watch.html), printed from the internet on March 4, 1999. | |
| | | User's Guide RCA Color TV with TV Plus + Guide, 1997 | |
| | | James, A., "Oracle-Broadcasting the Written Word," Wireless World, July 1973. | |
| | | Edwardson et al., "CEEFAX: A Proposed New Broadcasting Service," SMPTE Journal, Jan. 1974, Vol. 83, pp. 14-19. | |
| | | Edmonson et al., "NBC Switching Central," SMPTE Journal, Oct. 1976, Vol. 85, No. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

| | | | | | |
|---|----|----|----|--------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/821,005 (Conf. No. 8533) |
| | | | | Filing Date | March 29, 2001 |
| | | | | First Named Inventor | Michael D. Ellis |
| | | | | Art Unit | 2424 |
| | | | | Examiner Name | Justin E. Shepard |
| Sheet | 20 | of | 20 | Attorney Docket Number | UV-189 |

| | | |
|--|--|--|
| | 10, pp. 795-805. | |
| | Roizen, Joseph, "Teletext in USA," Jul 1981, pp. 602-610 | |
| | Hoffman et al., "Videotext Programmiert Videorecorder," Sept. 1982, 9 pages. | |
| | Printed materials on "Time's Teletext Service," 1982-1983, pp. V79175, V79142, V79143, V79148, and V79151. | |
| | Symposium Record Broadcast Sessions, 14th International TV Symposium, Montreux, Switzerland, Jun. 6-12, 1985, 9 pages. | |
| | Von Gerhard Eitz and Karl-Ulrich Oberlies, "Videotext Programmiert Videoheimgerate (VPV)," Sep. 1986, pp. 223-229; translation of abstract included. | |
| | Kruger, H. Eckart, "Digital Video Identification System VIS," German, 9 pages, 1982 | |
| | Ziesel et al.; "An Interactive Menu-Driven Remote Control Unite for TV-Receivers and VC-Recorders," IEEE Transactions on Consumer Electronics, Aug. 1988, Vol. 34, No. 3, pp. 814-818. | |
| | Philips Consumer Electronics, Users Manual, Matchline 28DC2070, 33DC2080; obtained March 31, 2009 | |
| | Page 12 of Philips TV 21SL5756/00B User Manual; obtained March 31, 2009 | |
| | TV Guide, San Francisco Metropolitan Schedule, Feb. 6, 1989 | |
| | Systems as described in DIP II Advertisement "Program Listings Never Looked So Good", English Translation of A. Bismuth, Vol. 54, No. 3, pp. 46-50, February 8, 2005 | |
| | System as described in Cable Data Advertisement "There's more to one-way addressability than meets the eye"; Vol. 7, No. 30, April 15, 1982. | |

| | | | |
|--------------------|-------------------------------|-----------------|--|
| Examiner Signature | /Justin Shepard/ (05/27/2009) | Date Considered | |
|--------------------|-------------------------------|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.S./